QuickGene-Mini480

1.Small and light-weight compact device

2.Processing 1 to 48 samples at the same time

3. Easy isolation from various samples

4.Reasonably price

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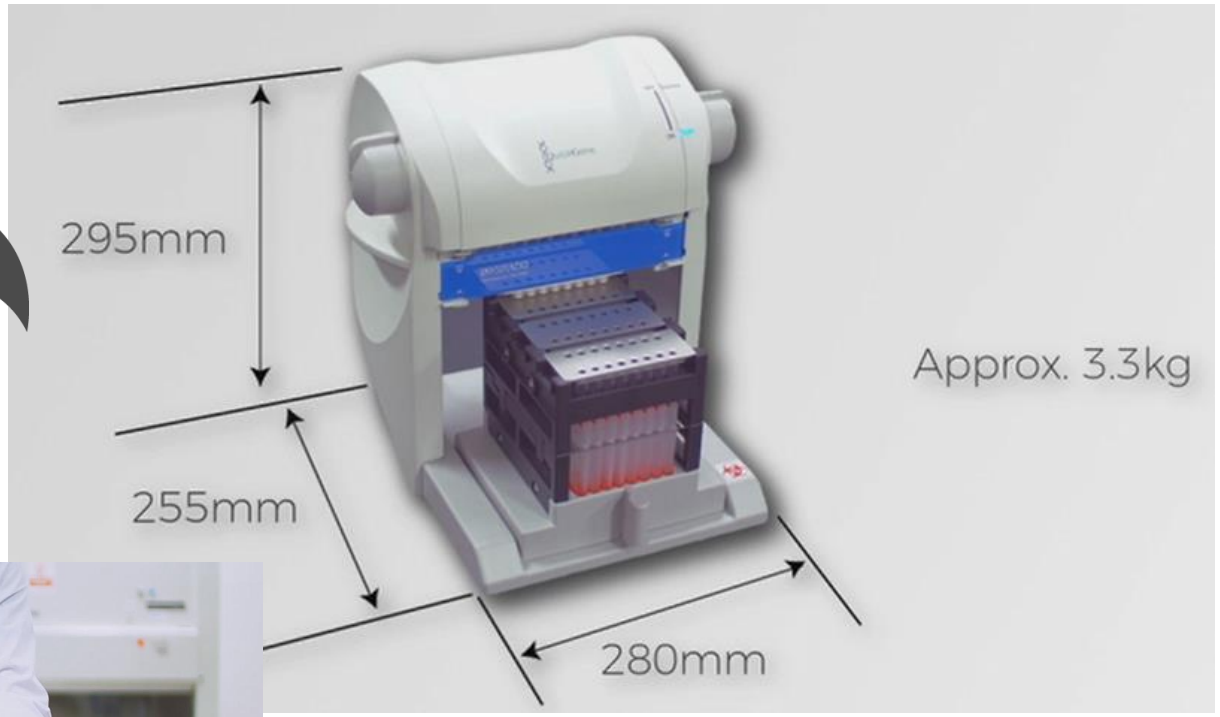
QuickGene-Mini480

Compact size



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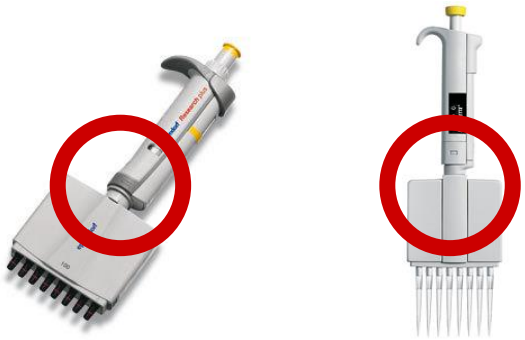
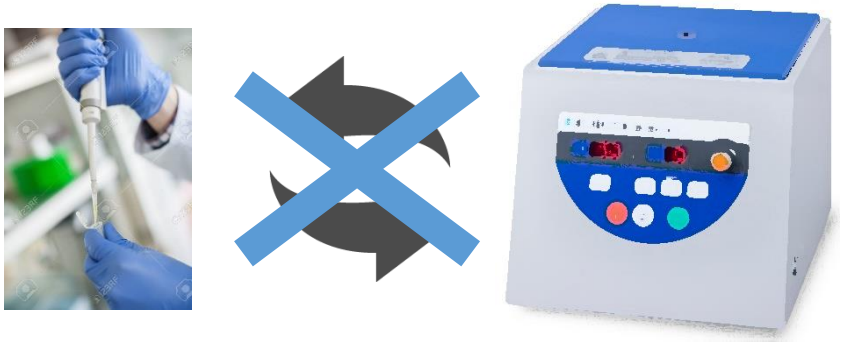
QuickGene-Mini480



You can use a multi-channel pipette!



Repeat centrifugal operation unnecessary

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QuickGene-Mini480

Necessary equipment

Work is completed in a safety cabinet!!

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1. Virus RNA Extraction from sputum

sputum
PBS
Carrier RNA
Vortex
LRT buffer (TCEP added)
Incubate 10 min
Vortex・spin down
SRT buffer
Vortex・spin down
99% ethanol
Vortex・spin down
Lysate

Set into the device QG-Mini480

1. Apply the lysate into the cartridge
2. Pressurizing
3. Wash 1 time by Wash Buffer (WRT)
4. Pressurizing
5. DNase treatment
6. Wash 2 times by Wash Buffer (WRT)
7. Pressurizing
8. Add selected volume of Elution buffer(CRT)
9. Pressurizing
10. Total RNA

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2. Virus RNA Extraction from Nasopharyngeal swab or /and oropharyngeal swab with Carrier RNA, TCEP and DNase

Swab
PBS
Carrier RNA

Vortex
(Dispose the swab)

LRT buffer
(TCEP added)

Incubate
10 min

Vortex・
spin down

SRT buffer

Vortex・
spin down

99% ethanol

Vortex・
spin down

Lysate

Set into the device
QG-Mini480

1. Apply the lysate into the cartridge
2. Pressurizing
3. Wash 1 time by Wash Buffer (WRT)
4. Pressurizing
5. DNase treatment
6. Wash 2 times by Wash Buffer (WRT)
7. Pressurizing
8. Add selected volume of Elution buffer(CRT)
9. Pressurizing
10. Total RNA

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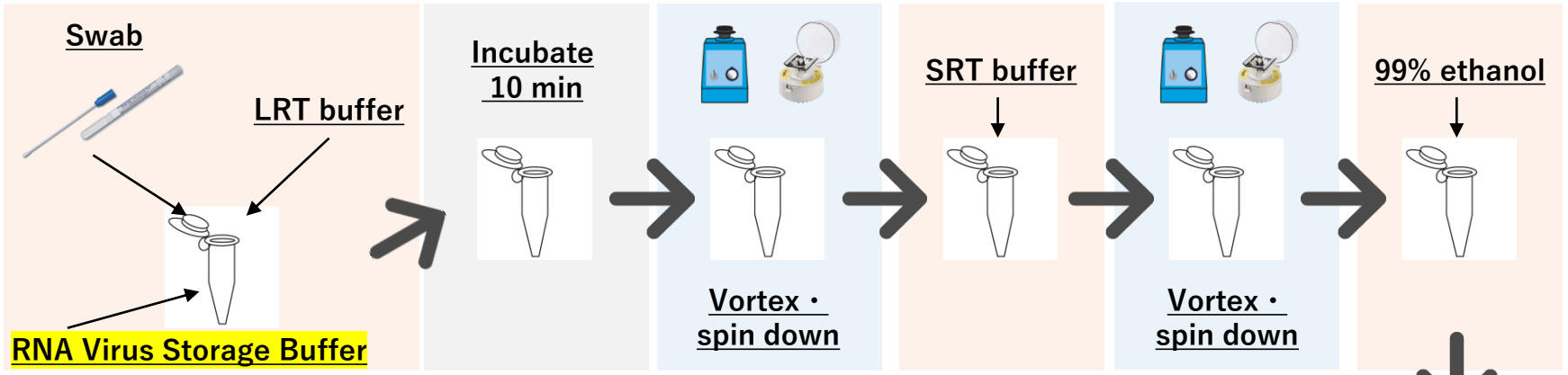
3. Virus RNA Extraction from Nasopharyngeal swab or /and oropharyngeal swab without Carrier RNA, TCEP and DNase



Set into the device QG-Mini480

1. Apply the lysate into the cartridge
2. Pressurizing
3. Wash 1 time by Wash Buffer (WRT)
4. Pressurizing
5. Wash 2 times by Wash Buffer (WRT)
6. Pressurizing
7. Wash 3 times by Wash Buffer (WRT)
8. Pressurizing
9. Add selected volume of Elution buffer(CRT)
10. Incubate
11. Pressurizing

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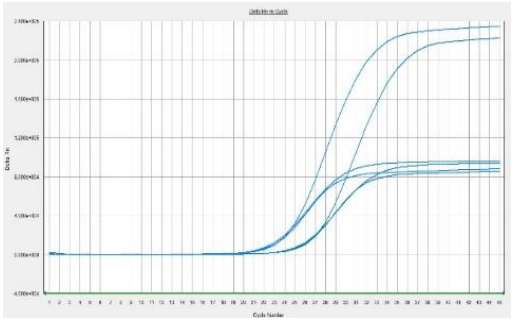
Result of 3.
Virus RNA Extraction from swab(2019-nCoV positive control added) without Carrier RNA, TCEP and DNase

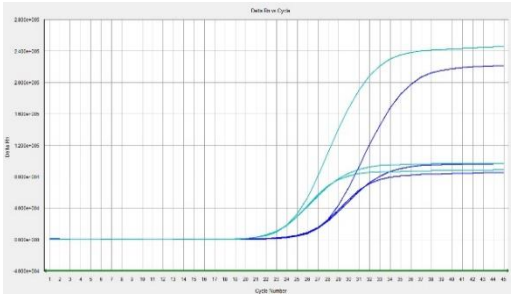
Real-time RT-PCR
Device: Roche Cobas 4800
Kit: DAAN Gene Co., Ltd
2019-nCoV（ORFlab/N) Real-Time PCR IVD KIT

■CT Value

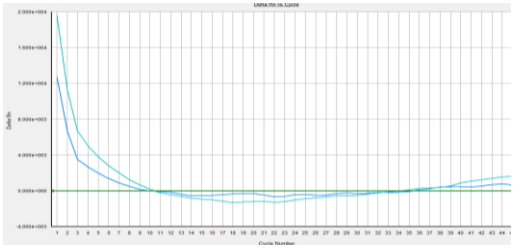
Product	Target Gene	Sample 1	Sample 2	Negative control
		Approx. 215,000 copies	Approx. 24,500 copies	KN， DN
KURABO QG-RT-S2 Kit	ORF1ab	24.1	27.6	Negative.
	N	24.7	27.9	Negative
D Band Virus RNA Extraction Kit -IVD	ORF1ab	24.2	27.2	Negative
	N	24.7	27.8	Negative



KURABO QG-RT-S2



D Brand Virus RNA Extraction Kit-IVD



Negative control (KN, DN)

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